CLAIMS

1. A method to analyze gene expression comprised of:

providing a plurality of samples of biological material arranged in a discrete compartment, wherein the plurality of samples contain gene expression products derived from at least two distinct biological conditions,

contacting each of the plurality of samples with an antibody wherein the antibody is specific to the expression product of a gene sequence, and

correlating the reaction between the antibody and the plurality of samples with expression of the gene sequence.

2. The method of claim 1 wherein the antibody is a murine polyclonal antibody.

3. The method of claim 1 wherein the step of contacting the plurality of samples is performed with at least 100 antibodies.

4. The method of claim 1 wherein the plurality of samples of biological material is comprised of samples from a human disease.

5. The method of claim 1 wherein the sample of biological material is a protein extract.

6. The method of claim 5 wherein the protein extract is derived from cancer cells or tissue.

7. The method of claim 1 further comprising the step of repeating the contacting step to identify a plurality of gene sequences associated with a biological condition.

8. The method of claim 7 wherein the biological condition is cancer.

9. The method of claim 7 wherein the biological condition is exposure to a chemical agent.

10. The method of claim 7 wherein the step of identifying a plurality of gene sequences is a differential analysis between a normal and disease state.

11. The method of claim 1 further comprising identifying the expression product of the gene sequence.

12. The method of claim 11 further comprising raising a monoclonal antibody to the expression product of the gene sequence.

13. The method of claim 1 further comprising determining the polynucleotide sequence of the gene sequence.